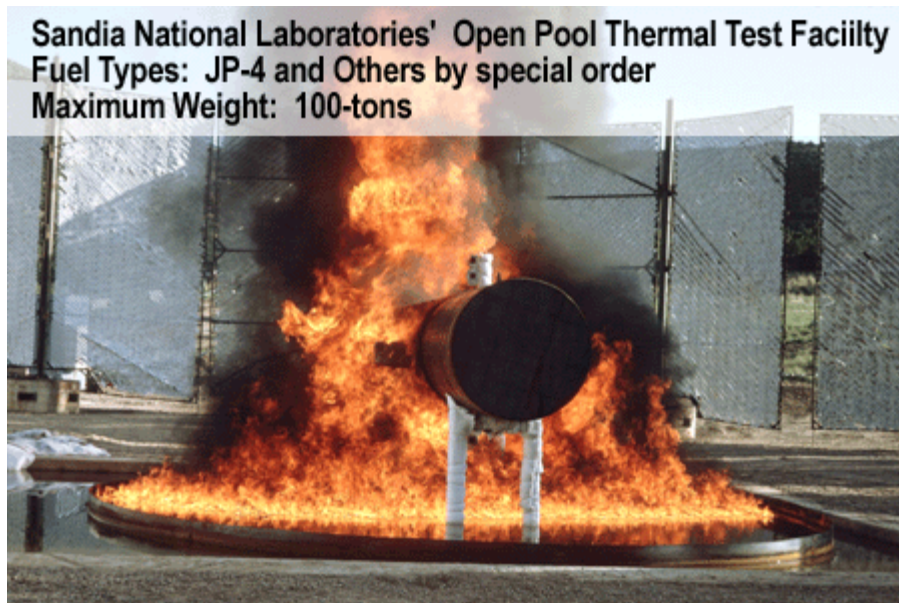


## Thermal Testing

Packages transporting the larger "Type B" quantities of radioactive materials must be qualified and certified under [Title 10, Code of Federal Regulations, Part 71](#), or under the equivalent international standard ST-1 issued by the [International Atomic Energy Agency](#).

The principal thermal qualification test is the 30 minute pool fire. As part of the National Transportation Program, the Transportation Risk & Packaging Program at Sandia can plan and conduct these tests for DOE and other package suppliers. Test Plans, QA plans and other necessary test documents can be prepared for customer and regulatory approval.

Tests may be conducted with a variety of available facilities at Sandia, including large pools, an indoor fire facility, and a radiant heat test facility.



Sandia National Laboratories' Radiant Heat Facility  
Temperature Range: Ambient to 4000°F  
Heat Flux Range: 0 to 450 btu/ft<sup>2</sup>/s  
Maximum Size: 8-feet x 12-feet  
Cylindrical: 4-feet x 8-feet



For further information, please go to the following web site:

<http://www.sandia.gov/tp/tp.htm>